

ROXBURY TOWNSHIP PUBLIC SCHOOLS

Landfill Gas Assessment

INDOOR AIR SAMPLING RESULTS 11/18/13 to 11/21/13

SCHOOL	SAMPLE DATE	SAMPLE LOCATION	HYDROGEN SULFIDE (H ₂ S)	SULFUR DIOXIDE (SO ₂)
Roxbury H.S.	11/19/13	Auditorium Stage	N.D.	N.D.
		Main Office	N.D.	N.D.
		Guidance Office	N.D.	N.D.
		Classroom P241	N.D.	N.D.
		Classroom P249	N.D.	N.D.
		Ambient	N.D.	N.D.
Roosevelt M.S.	11/20/13	Main Office	N.D.	N.D.
		Women Teachers Room	N.D.	N.D.
		Room #214	N.D.	N.D.
		Ambient	N.D.	N.D.
Jefferson E.S.	11/21/13	Nurses Room	N.D.	N.D.
		Room #15	N.D.	N.D.
		Computer Room	N.D.	N.D.
		Ambient	N.D.	N.D.

N.D. = Non-detectable

All results are in parts per billion (ppb)

Results are rounded to the nearest whole number

Sample Date is the date on which the 24 hour sample was completed

In conjunction with the 24-hour canister sampling, the Department of Health (DOH) is utilizing Jerome J605 portable handheld meters for detecting hydrogen sulfide (H₂S) gas. The H₂S readings are being taken each time the 24-hour canisters are placed and again when the canisters are collected. The H₂S readings are being taken in each room where a canister is placed and in hallways and corridors in the vicinity of these rooms, as well as, outside the building.

On November 18th H₂S was detected in both the indoor air and the outside ambient air at the Roxbury H.S. H₂S was detected in the three (3) locations inside the high school, including the Main Guidance Office area at 3.3 ppb, a Guidance Counselor's Office at 3.2 ppb and in Classroom P241 at 3.1 ppb. H₂S was detected in the ambient air outside the Roxbury H.S. at 3.4 ppb. On November 19th, H₂S was detected in the ambient air outside the Roxbury H.S., ranging from 3.3 to 4.1 ppb. There were no odors of H₂S noted and there were no reports of odor complaints by school staff on either day. H₂S was not detected inside the Roxbury H.S. on November 19th.

H₂S was detected in the outside ambient air at both the Roosevelt M.S. on November 19th and 20th and the Jefferson E.S. on November 20th and 21st. The outside ambient air levels ranged from 4.2 to 3.2 ppb and 4.3 to 3.2 ppb, respectively. There were no detectable levels measured inside the schools on either day. There were no odors of H₂S noted and there were no reports of odor complaints by school staff on either day.